

|    | Hits  | Search Text   |
|----|-------|---|
| 1  | 31547 | etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)   |
| 2  | 8002  | (etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))  |
| 3  | 16714 | etch\$3 and ((initial final first second) with pressure)  |
| 4  | 3811  | (etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure))  |
| 5  | 37843 | (etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) (etch\$3 and ((initial final first second) with pressure))  |
| 6  | 10124 | ((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)))<br>((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))  |
| 7  | 2787  | ((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)))<br>((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))  |
| 8  | 899   | ((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)))<br>((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)  |
| 9  | 2197  | ((((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)))<br>((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon))   |
| 10 | 1298  | ((((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)))<br>((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)) not (((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)))<br>((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)) |

|    | DBs  |
|----|--|
| 1  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 2  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 3  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 4  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 5  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 6  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 7  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 8  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 9  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 10 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |

|    | Hits | Search Text  |
|----|------|--|
| 11 | 2197 | (((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)) (((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)))   |
| 12 | 317  | (((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)) (((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon))) and (isotropic same anisotropic)  |
| 13 | 224  | (((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)) (((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon))) and (isotropic same anisotropic)) and (isotropic with anisotropic)  |
| 14 | 135  | ((((((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)) (((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon))) and (isotropic same anisotropic)) and (isotropic with anisotropic)) and (isotropic with anisotropic with (plasma dry gas)) |

|    | <b>DBs</b>                                     |
|----|--|
| 11 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 12 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 13 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 14 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |

|    | Hits | Search Text   |
|----|------|---|
| 15 | 9    | ((((((((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)) (((etch\$3 and ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure)) and (etch\$3 same ((reduc\$4 lower\$3 chang\$3 decreas\$3 less step) with pressure))) ((etch\$3 and ((initial final first second) with pressure)) and (etch\$3 same ((initial final first second) with pressure)))) and ((profile shap\$3) with (cavity hole trench etch\$3 recess))) and (si silicon)) and (isotropic same anisotropic) and (isotropic with anisotropic) and (isotropic with anisotropic with (plasma dry gas)) and (isotropic with anisotropic with (plasma dry gas) with (profile shape)) |
| 16 | 29   | ("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1").PN.  |
| 17 | 0    | ("US20020001871A1") or ("US20010036799A1") or ("US20010024222A1").PN.   |
| 18 | 0    | ("US20020001871") or ("US20010036799") or ("US20010024222").PN.   |
| 19 | 3    | ("20020001871") or ("20010036799") or ("20010024222").PN.   |
| 20 | 32   | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1").PN.) (((("20020001871") or ("20010036799") or ("20010024222").PN.)   |
| 21 | 5    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1").PN.) (((("20020001871") or ("20010036799") or ("20010024222").PN.)) and polyimide  |
| 22 | 14   | (polyimide with photoresist) same ((CF4 "CF.sub.4") with (O2 "O.sub.2") with plasma)  |
| 23 | 0    | (polyimide with photosensitive) same ((CF4 "CF.sub.4") with (O2 "O.sub.2") with plasma)   |
| 24 | 10   | (polyimide adj photoresist) and ((CF4 "CF.sub.4") with (O2 "O.sub.2") with plasma)  |
| 25 | 1    | (polyimide adj resist) and ((CF4 "CF.sub.4") with (O2 "O.sub.2") with plasma)   |

|    | DBs  |
|----|--|
| 15 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 16 | USPAT; US-PGPUB                                |
| 17 | USPAT; US-PGPUB                                |
| 18 | USPAT; US-PGPUB                                |
| 19 | USPAT; US-PGPUB                                |
| 20 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 21 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 22 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 23 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 24 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 25 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |

|    | Hits | Search Text  |
|----|------|--|
| 26 | 8    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and (SF6 "SF.sub.6")              |
| 27 | 0    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and ((SF6 "SF.sub.6") with (si3n4 |
| 28 | 0    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and ((SF6 "SF.sub.6") same (si3n4 |
| 29 | 2    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and ((SF6 "SF.sub.6") and (si3n4  |
| 30 | 3    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and (si3n4 "si.sub.3 n.sub.4")    |

|    | <b>DBs</b>                                     |
|----|--|
| 26 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 27 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 28 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 29 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 30 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |

|    | Hits | Search Text  |
|----|------|--|
| 31 | 21   | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and (silicon adj nitride)   |
| 32 | 0    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and (silicon adj nitride) and ((SF6 "SF.sub.6") with (silicon adj nitride)) |
| 33 | 1    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and ((SF6 "SF.sub.6") with polysilicon)                                     |
| 34 | 1    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and ((SF6 "SF.sub.6") with polysilicon)) and (pressure mTorr Torr Pa)       |
| 35 | 0    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and (SF6 "SF.sub.6") with (ar argon)  |

| DBs |  |
|-----|--|
| 31  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 32  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 33  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 34  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 35  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |

|    | Hits | Search Text  |
|----|------|--|
| 36 | 5    | ((("RE34893") or ("6310375") or ("6306772") or ("6303513") or ("6214686") or ("6153474") or ("6147003") or ("6103585") or ("6096629") or ("6071823") or ("6071821") or ("6015761") or ("5990536") or ("5891807") or ("5663584") or ("5531121") or ("5502006") or ("5438212") or ("5427975") or ("5302238") or ("5212147") or ("5182234") or ("5180689") or ("5155053") or ("5013400") or ("4980316") or ("4902377") or ("4845048") or ("4533430") or ("20020001871A1") or ("20010036799A1") or ("20010024222A1")).PN.) (((("20020001871") or ("20010036799") or ("20010024222")).PN.)) and (SF6 "SF.sub.6") and (ar argon) |
| 37 | 3    | ((("6022456") or ("5206471") or ("5858065")).PN.   |
| 38 | 0    | ((("6022456") or ("5206471") or ("5858065")).PN.) and dry adj pump   |
| 39 | 3    | ((("6022456") or ("5206471") or ("5858065")).PN.) and pump   |
| 40 | 1    | ((("6022456") or ("5206471") or ("5858065")).PN.) and continuous   |
| 41 | 3    | ((("6022456") or ("5206471") or ("5858065")).PN.) and plasma   |

|    | <b>DBs</b>                                     |
|----|--|
| 36 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 37 | USPAT  |
| 38 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 39 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 40 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| 41 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |